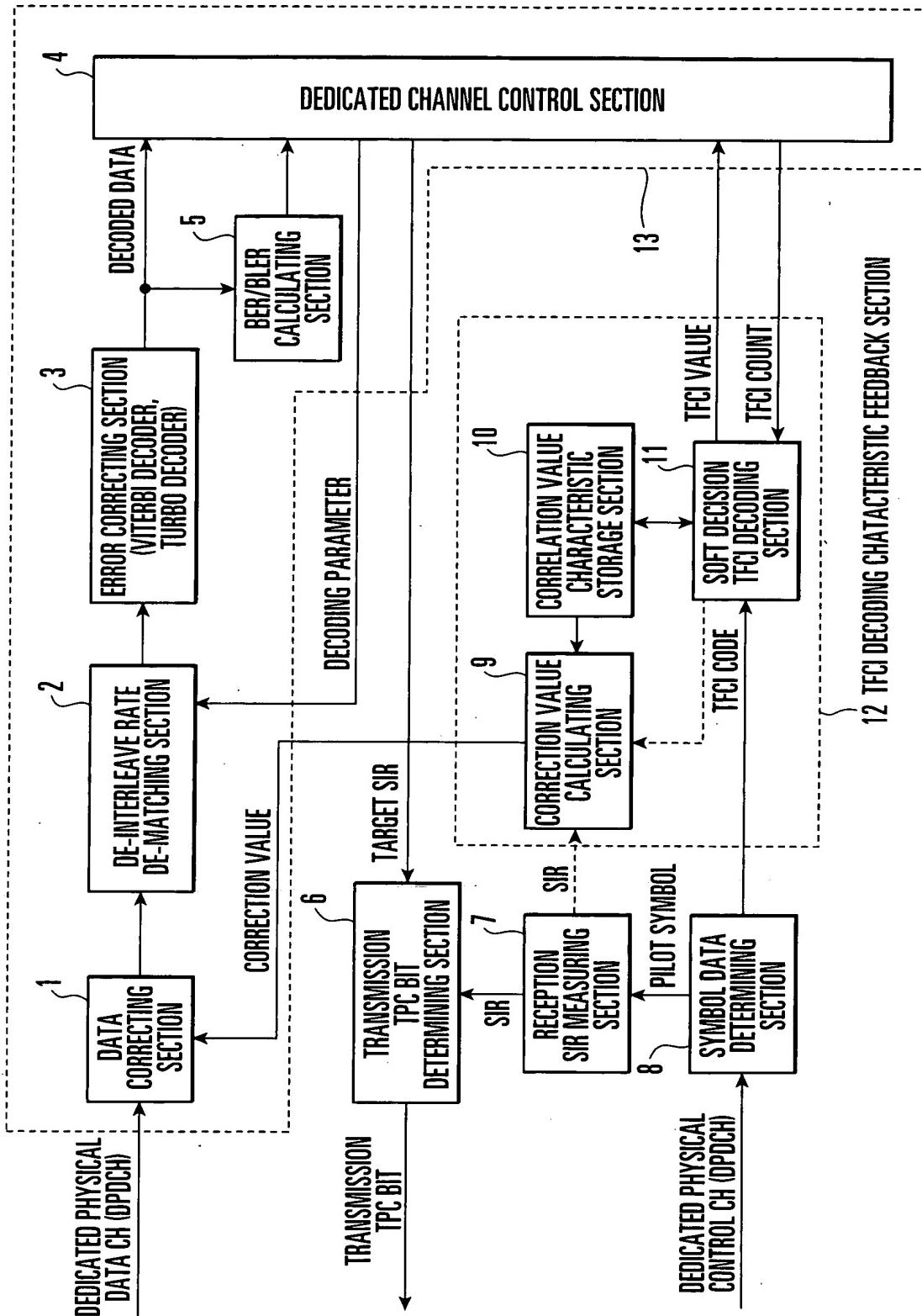
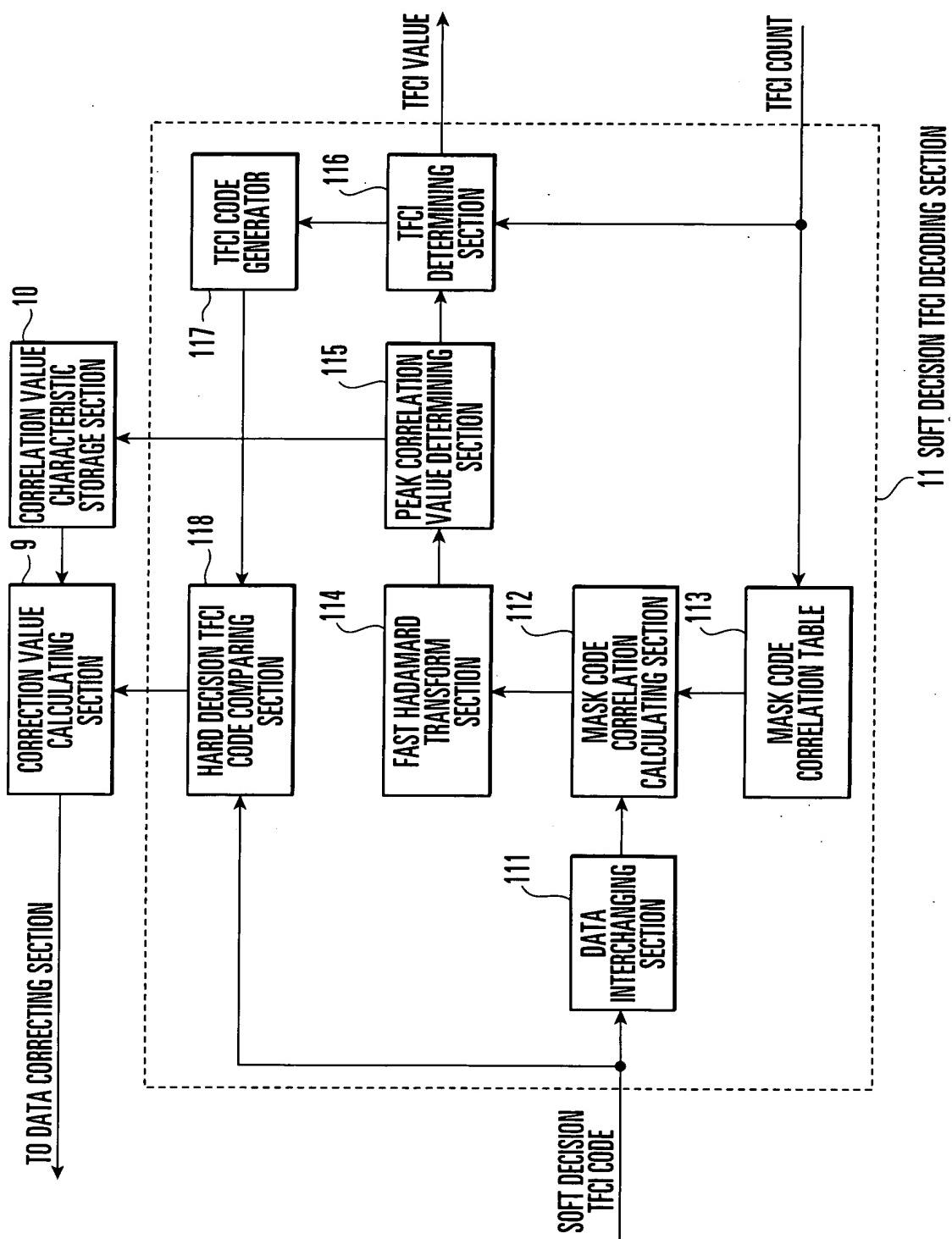


FIG. 1



F I G . 2



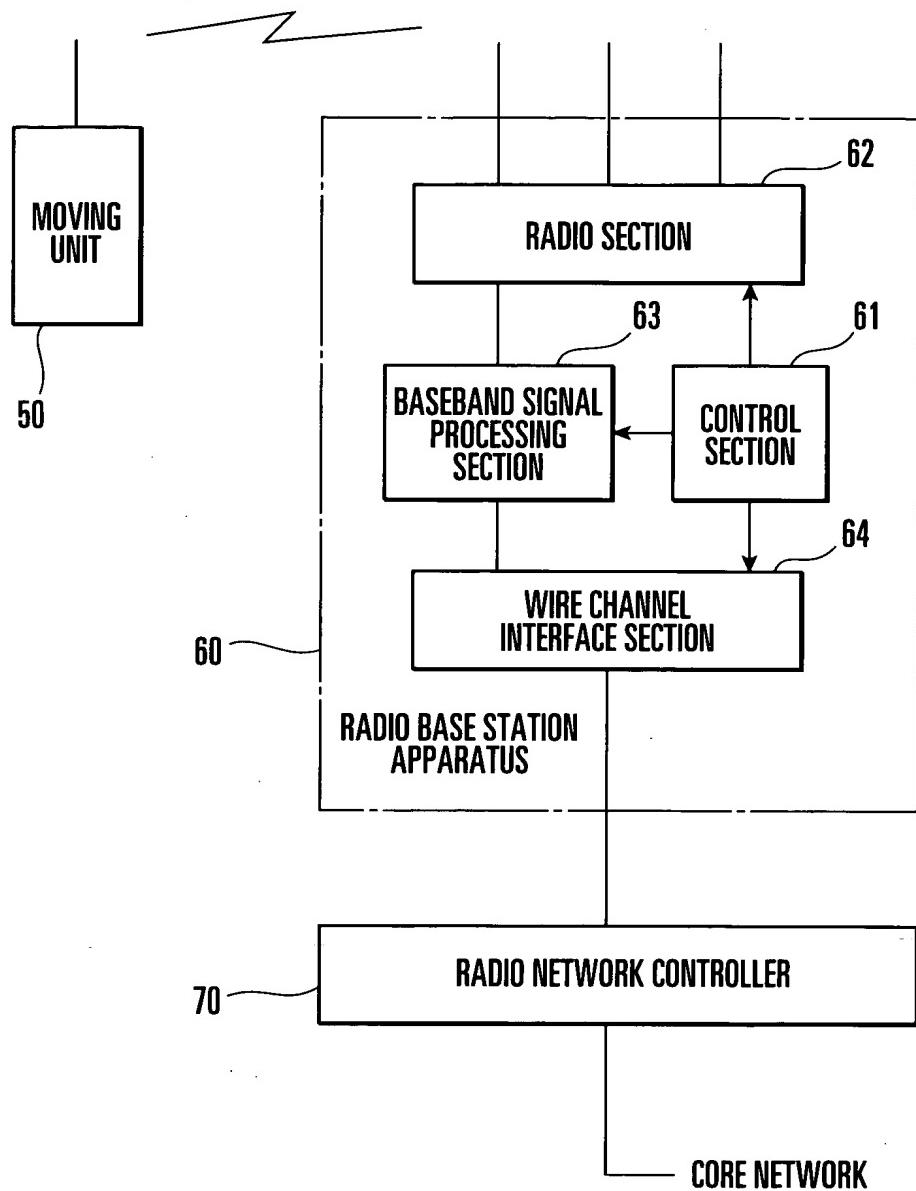


FIG. 3

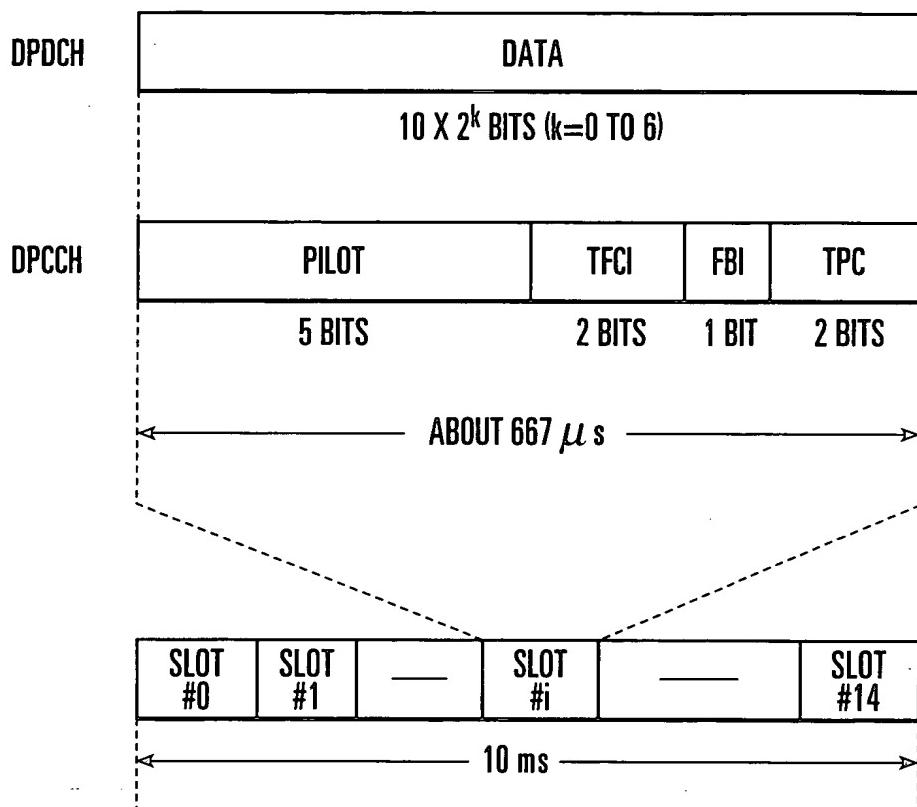
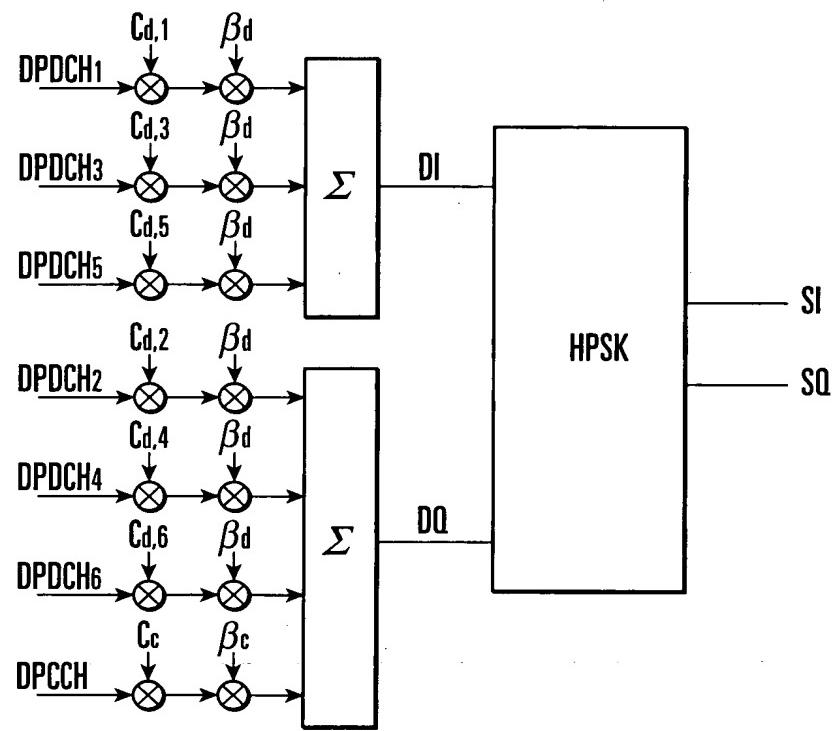


FIG. 4



F I G . 5

BASIS SEQUENCES FOR (32,10) TFCI CODE

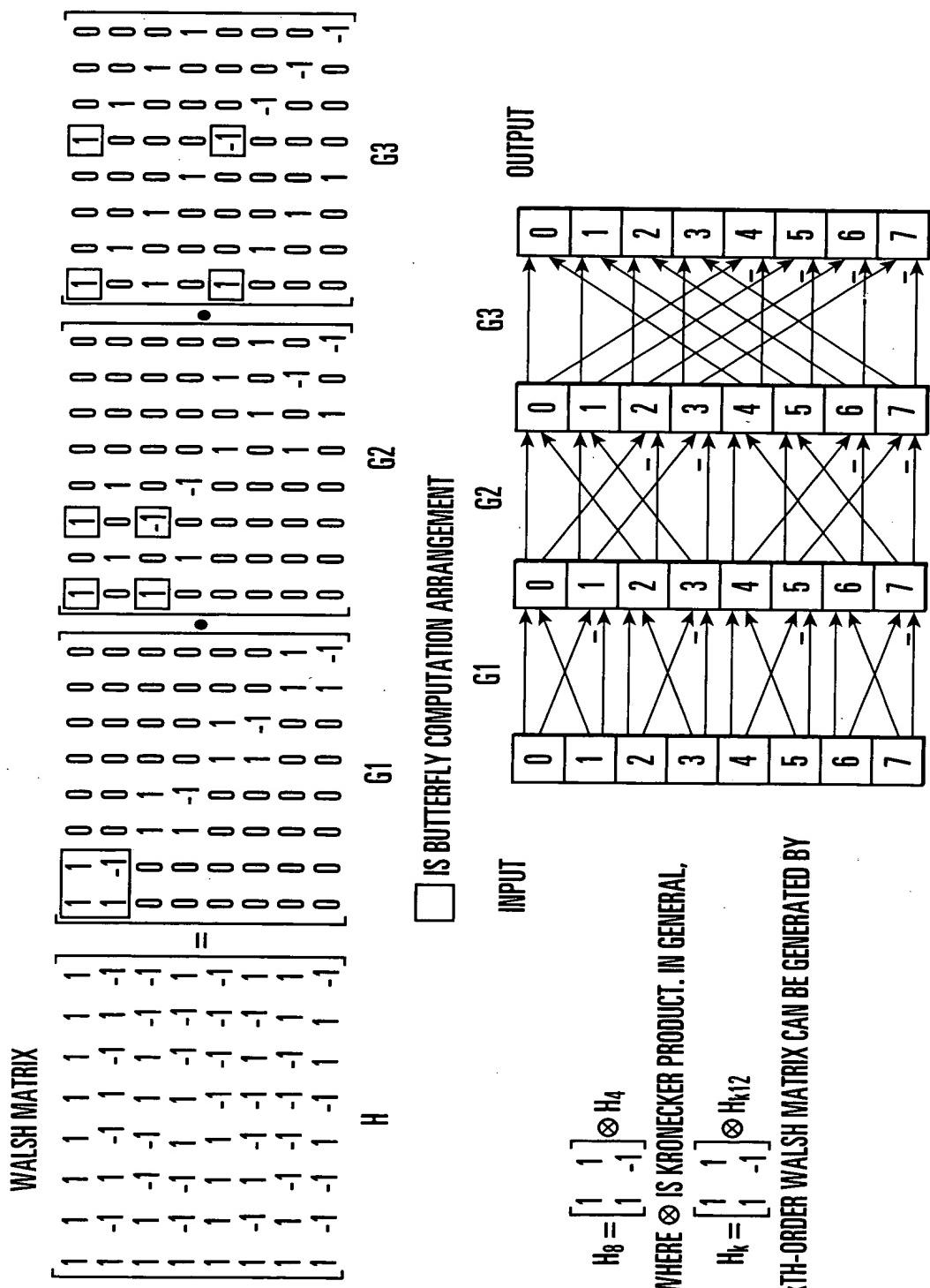
1	$M_{10}$	$M_{11}$	$M_{12}$	$M_{13}$	$M_{14}$	$M_{15}$	$M_{16}$	$M_{17}$	$M_{18}$	$M_{19}$
0	1	0	0	0	0	1	0	0	0	0
1	0	1	0	0	0	1	1	0	0	0
2	1	1	0	0	0	1	0	0	0	1
3	0	0	1	0	0	1	1	0	1	1
4	1	0	1	0	0	1	0	0	0	1
5	0	1	1	0	0	1	0	0	1	0
6	1	1	1	0	0	1	0	1	0	0
7	0	0	0	1	0	1	0	1	1	0
8	1	0	0	1	0	1	1	1	1	0
9	0	1	0	1	0	1	1	0	1	1
10	1	1	0	1	0	1	0	0	1	1
11	0	0	1	1	0	1	0	1	1	0
12	1	0	1	1	0	1	0	1	0	1
13	0	1	1	1	0	1	1	0	0	1
14	1	1	1	1	0	1	1	1	1	1
15	1	0	0	0	1	1	1	1	0	0
16	0	1	0	0	1	1	1	1	0	1
17	1	1	0	0	1	1	1	0	1	0
18	0	0	1	0	1	1	0	1	1	1
19	1	0	1	0	1	1	0	1	0	1
20	0	1	1	0	1	1	0	0	1	1
21	1	1	1	0	1	1	0	1	1	1
22	0	0	0	1	1	1	0	1	0	0
23	1	0	0	1	1	1	1	1	0	1
24	0	1	0	1	1	1	1	0	1	0
25	1	1	0	1	1	1	1	0	0	1
26	0	0	1	1	1	1	0	0	1	0
27	1	0	1	1	1	1	1	1	0	0
28	0	1	1	1	1	1	1	1	1	0
29	1	1	1	1	1	1	1	1	1	1
30	0	0	0	0	0	1	0	0	0	0
31	0	0	0	0	1	1	1	0	0	0

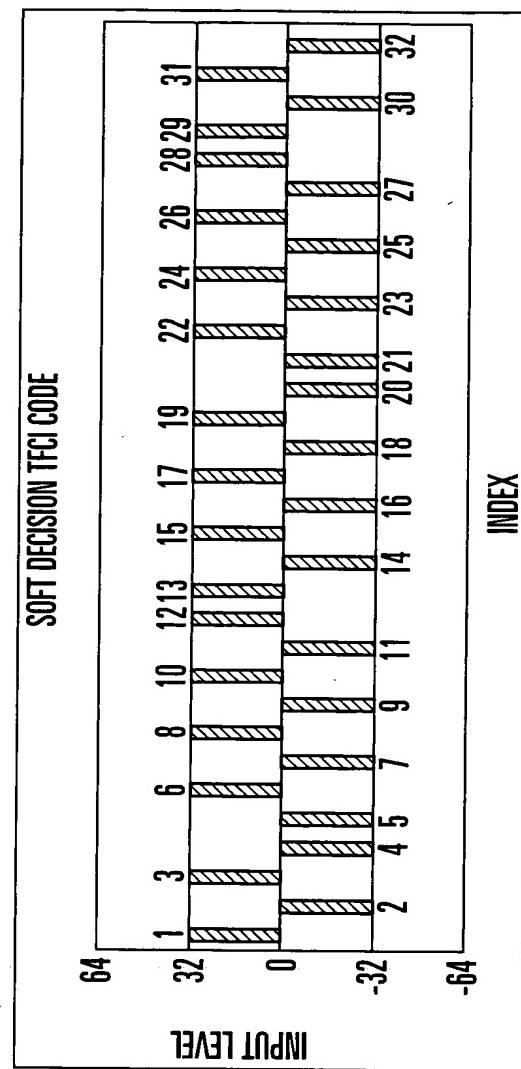
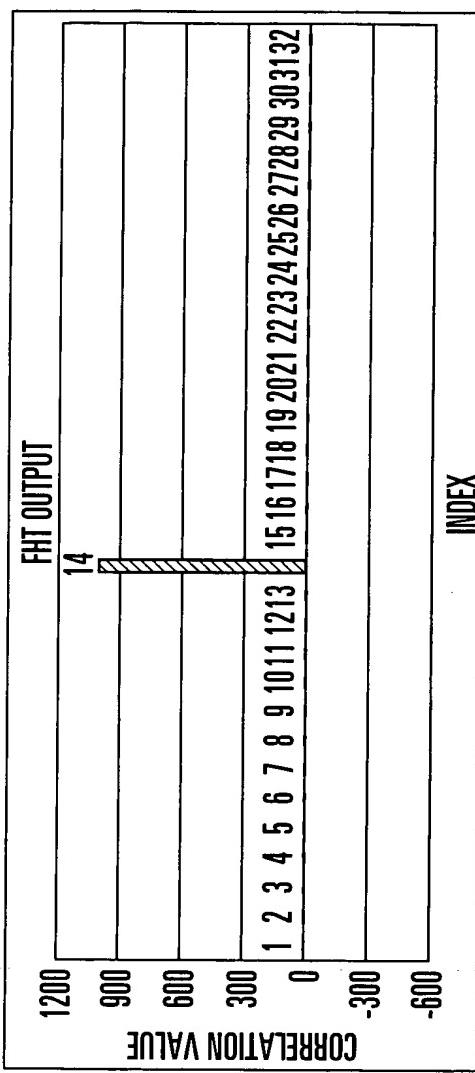
COMBINATION IS QUADRATURE VECTOR  
OR ROW VECTOR OF WALSH MATRIX

MASK CODE

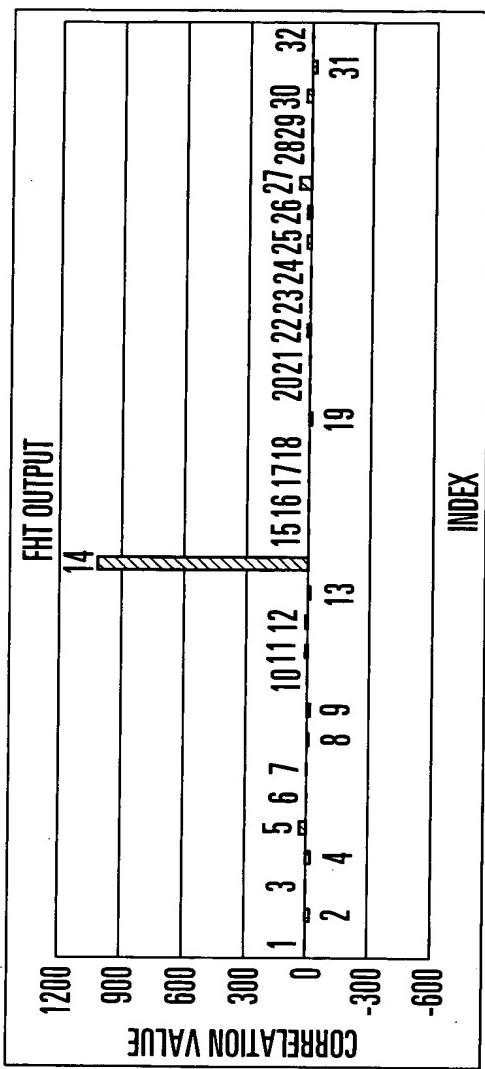
F I G . 6

FIG. 7

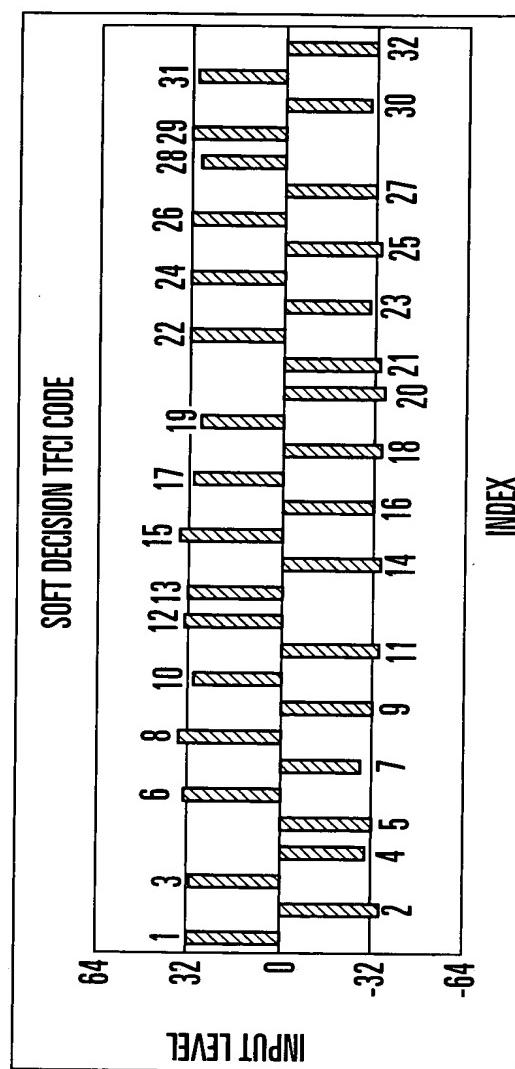




REFERENCE VALUE INPUT LEVEL : 32      NOISE LEVEL : ±0

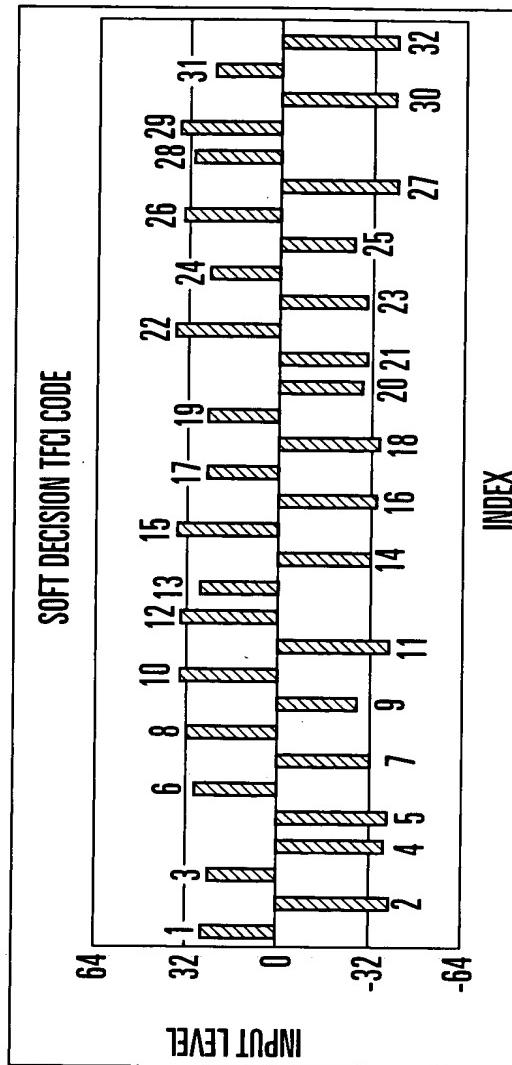
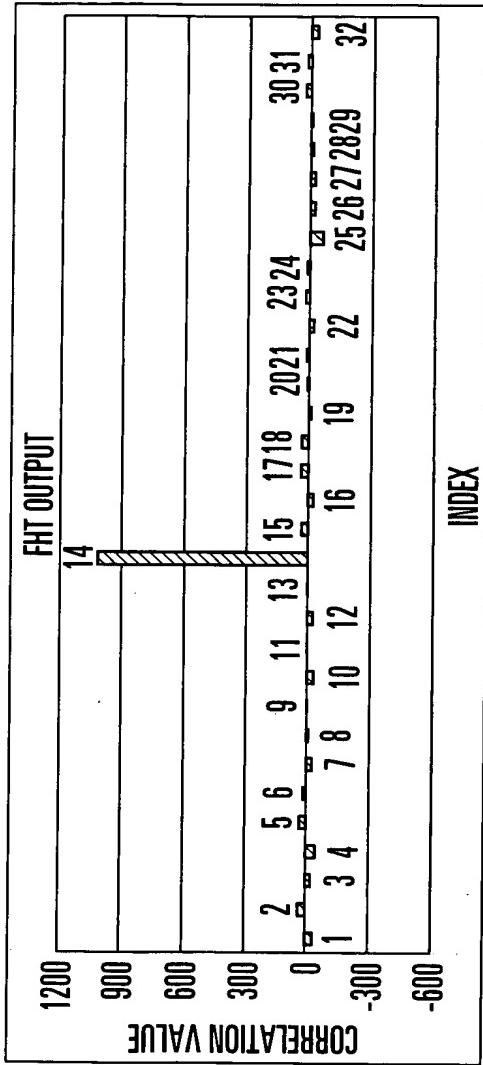


**FIG. 9 A**

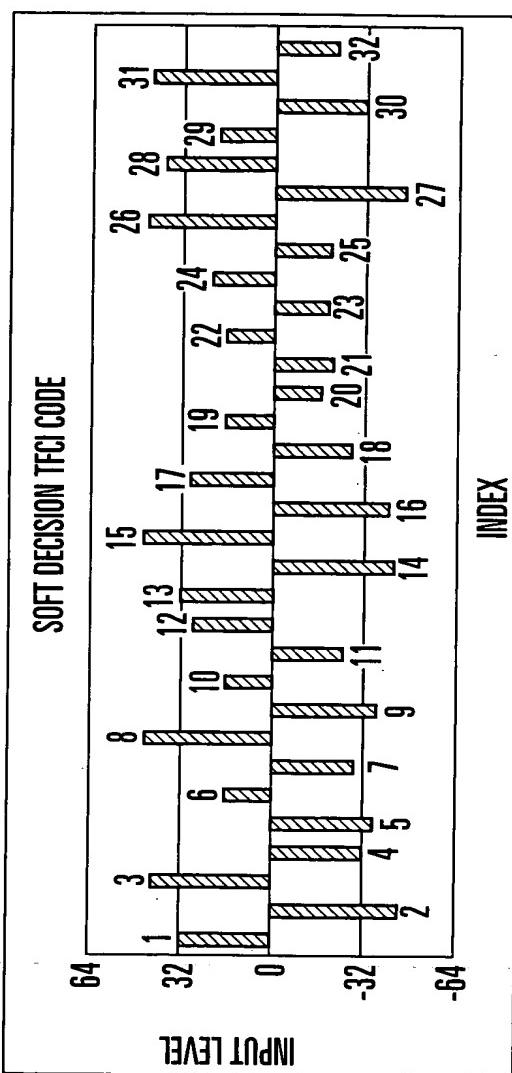
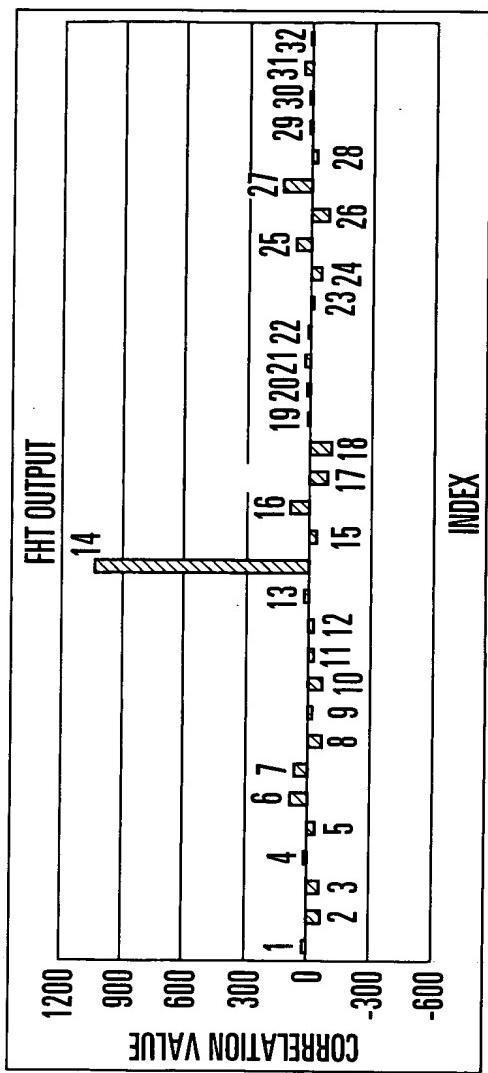


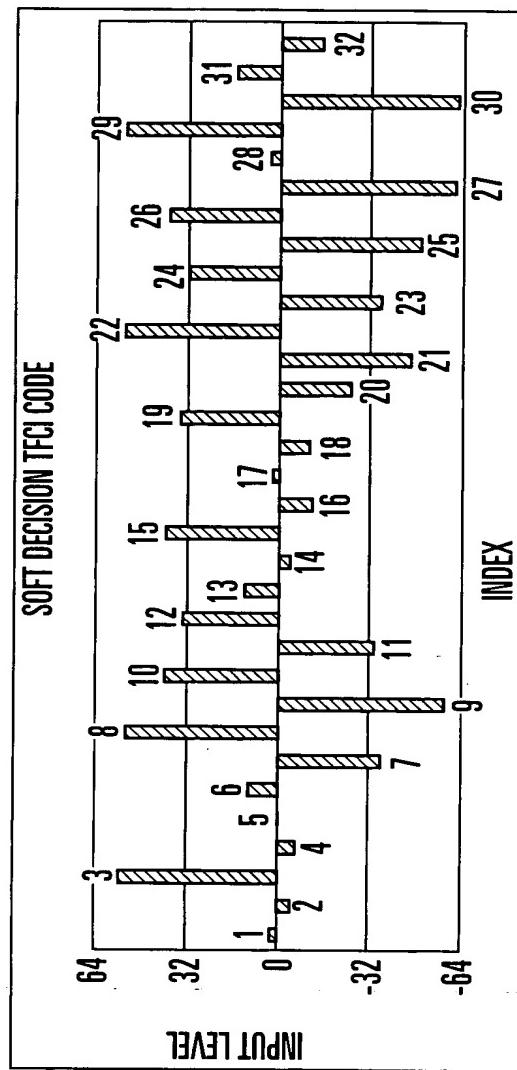
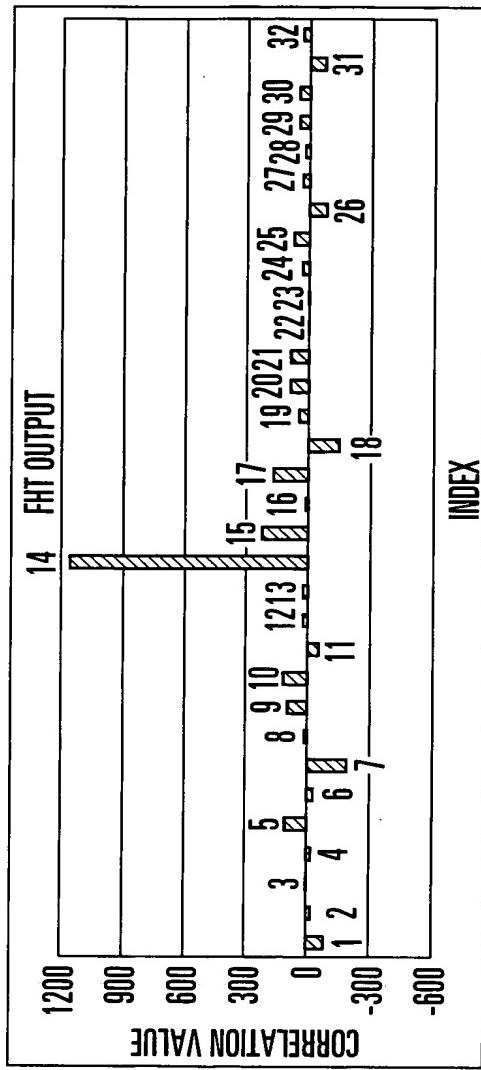
**FIG. 9 B**

REFERENCE VALUE INPUT LEVEL : 32      NOISE LEVEL :  $\pm 4$

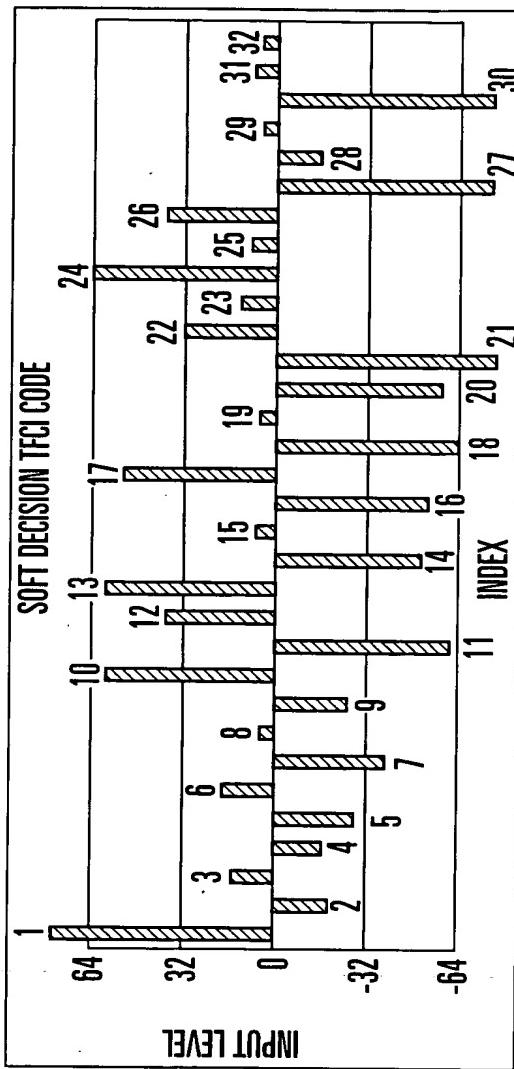
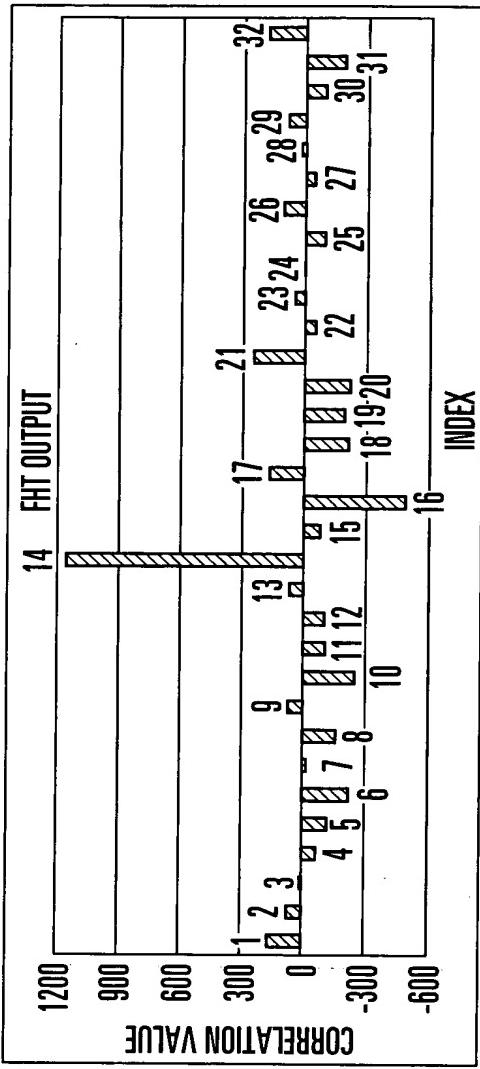


REFERENCE VALUE INPUT LEVEL : 32      NOISE LEVEL :  $\pm 8$

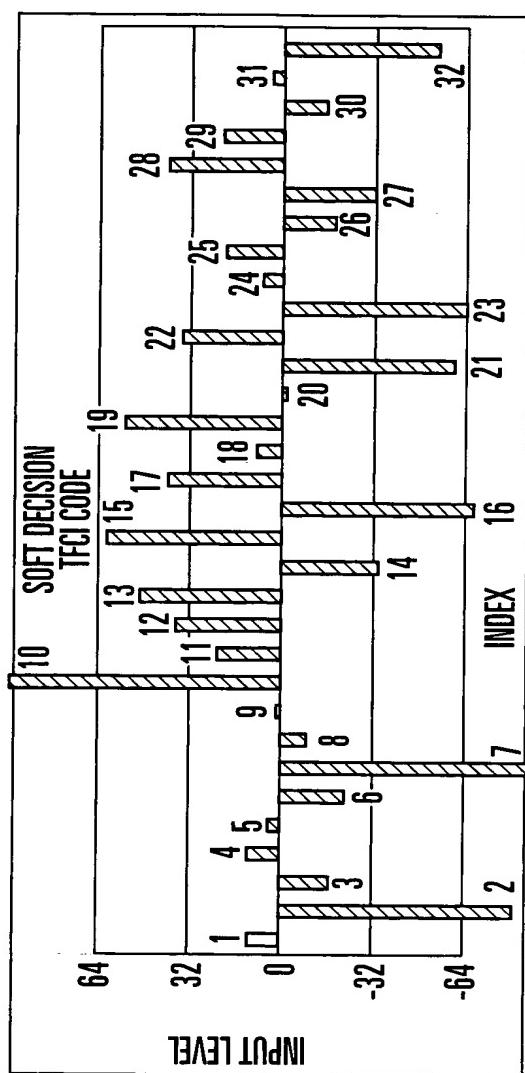
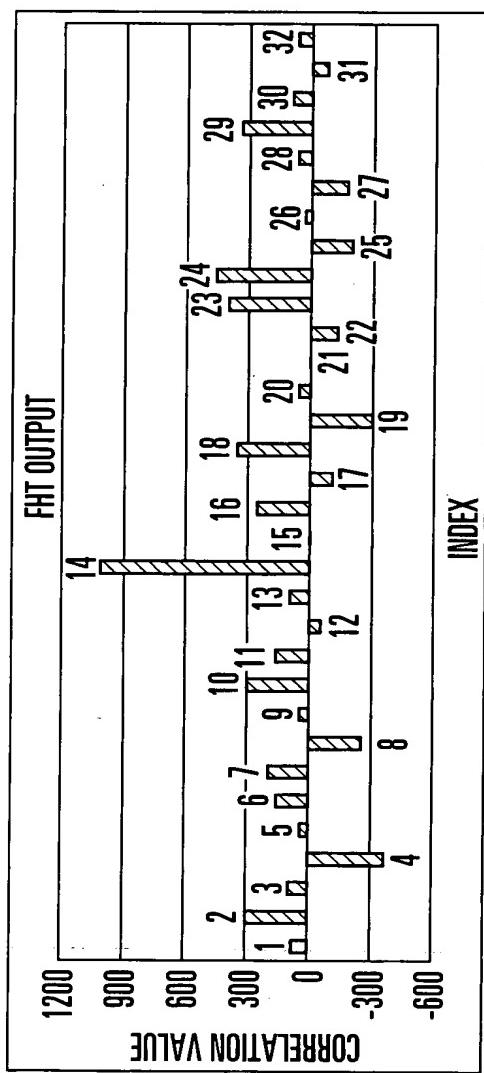




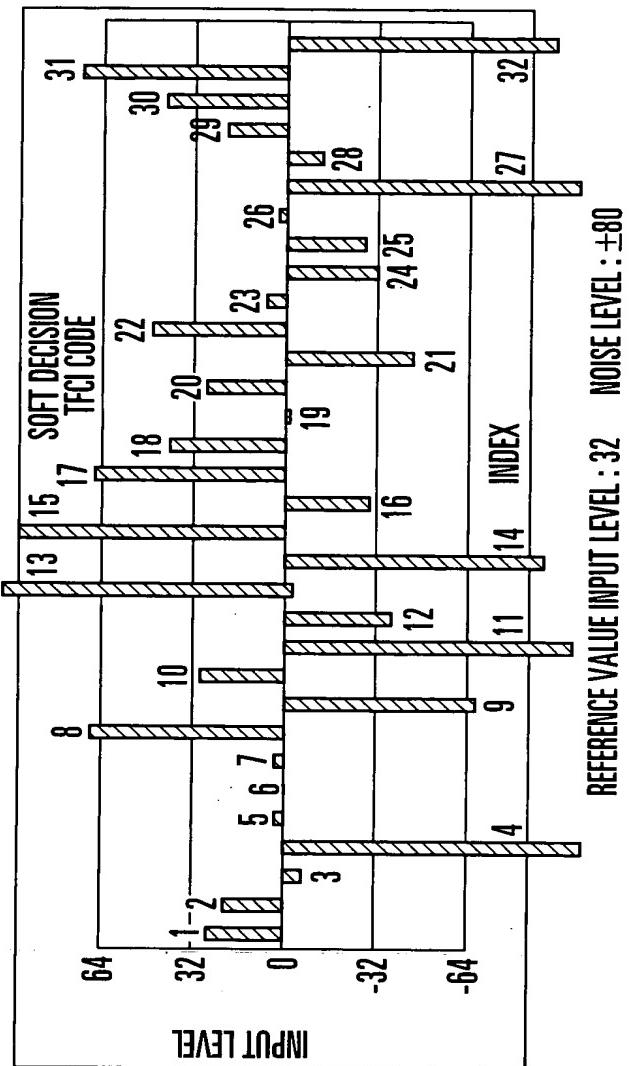
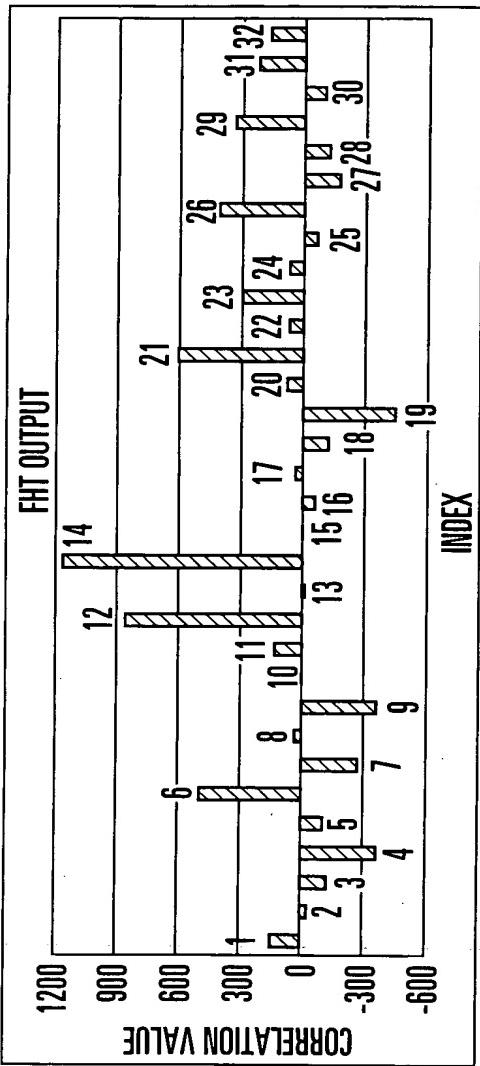
REFERENCE VALUE INPUT LEVEL : 32    NOISE LEVEL : ±32

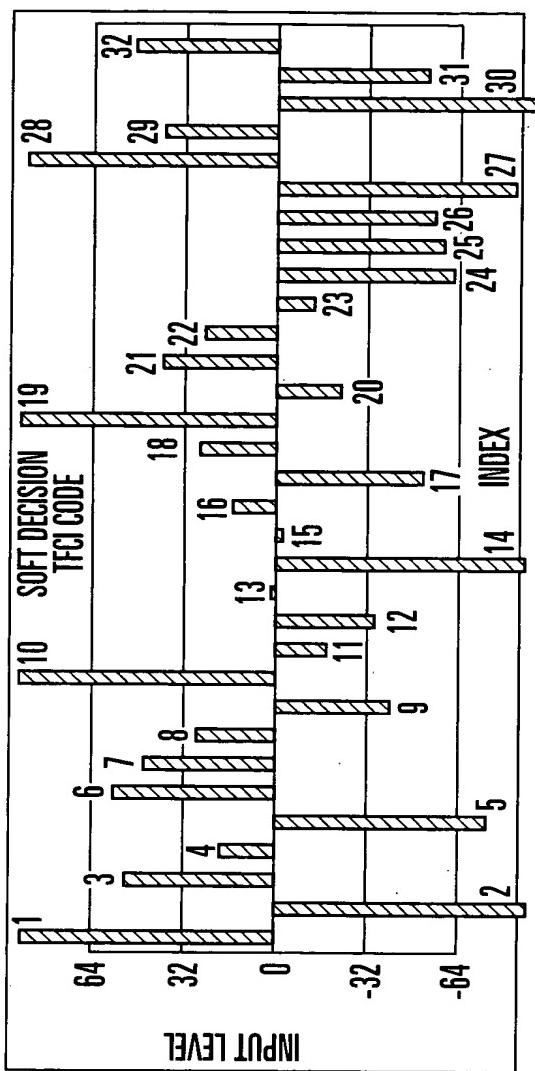
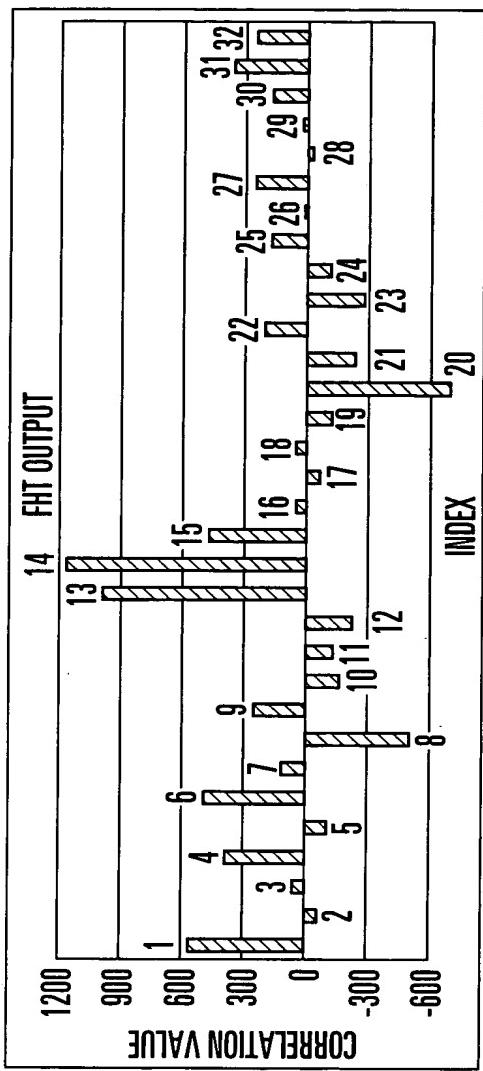


REFERENCE VALUE INPUT LEVEL : 32   NOISE LEVEL :  $\pm 48$



REFERENCE VALUE INPUT LEVEL : 32    NOISE LEVEL :  $\pm 64$





REFERENCE VALUE INPUT LEVEL : 32      NOISE LEVEL :  $\pm 96$

FIG. 17 A

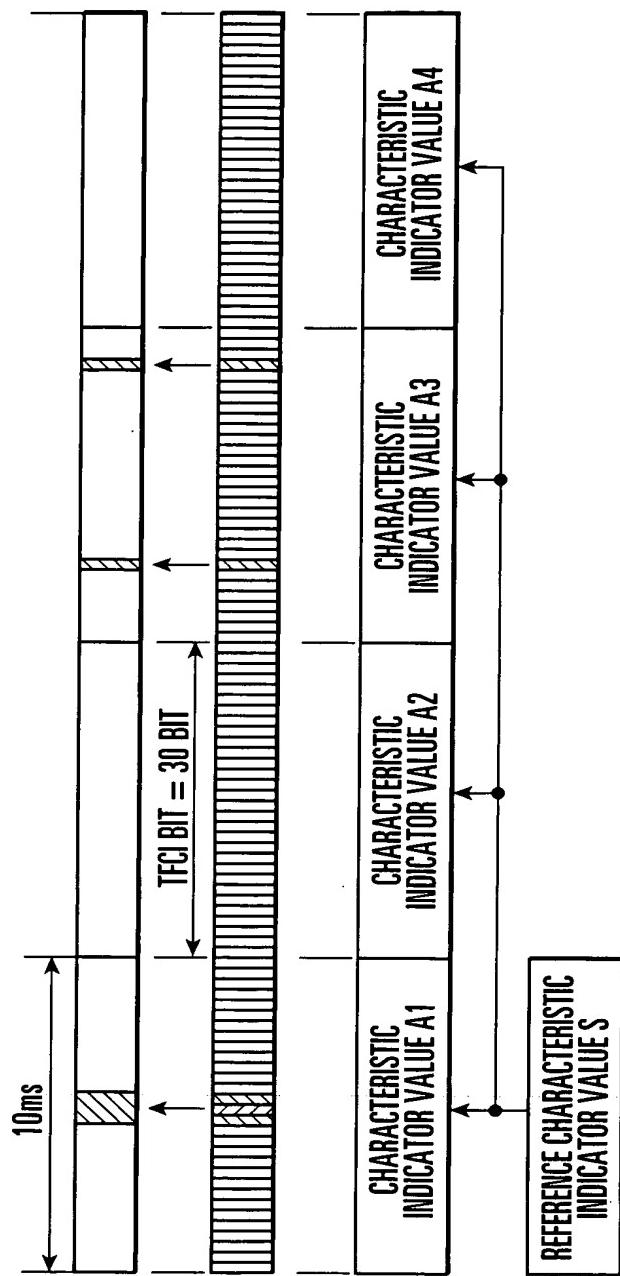


FIG. 17 B

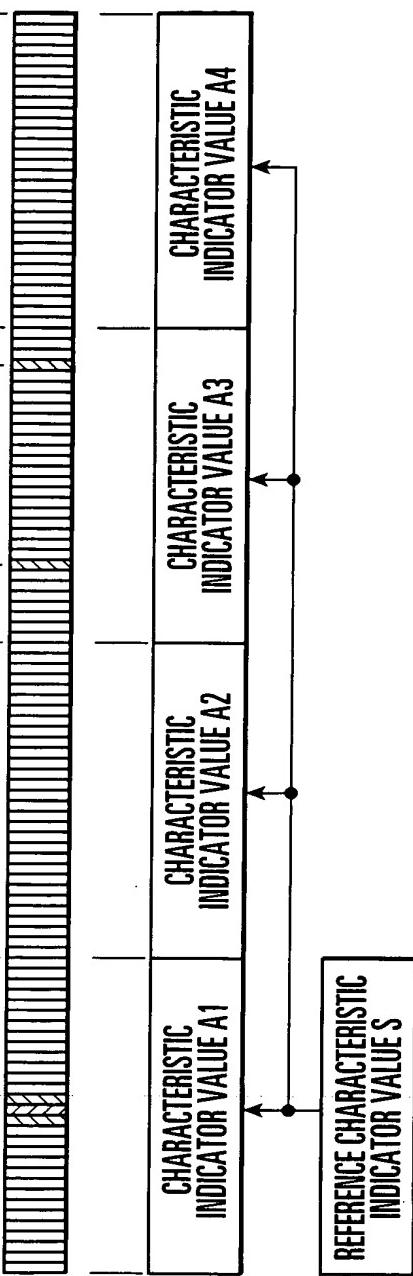


FIG. 17 C

AND INDICATE ERROR PORTIONS FOUND BY COMPARISON WITH HARD DECISION TFCI BIT